

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
 Data File : BG055381.D
 Acq On : 31 Oct 2022 15:39
 Operator : CG/JU
 Sample : N5267-16DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP6-1024DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/01/2022
 Supervised By : mohammad ahmed 11/04/2022

Quant Time: Oct 31 18:01:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.265	152	46489	20.000	ng	0.00
21) Naphthalene-d8	11.097	136	177455	20.000	ng	# 0.00
39) Acenaphthene-d10	14.880	164	114892	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	229723	20.000	ng	# 0.00
76) Chrysene-d12	21.890	240	234545	20.000	ng	0.00
86) Perylene-d12	25.286	264	258442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	52667	19.837	ng	0.00
7) Phenol-d6	7.407	99	68301	17.756	ng	0.00
23) Nitrobenzene-d5	9.440	82	44940	12.932	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	28352	22.700	ng	0.00
45) 2-Fluorobiphenyl	13.506	172	99642	14.195	ng	0.00
79) Terphenyl-d14	20.186	244	157279	13.932	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.144	128	33503	3.539	ng	# 79
37) 2-Methylnaphthalene	12.730	142	172552	25.281	ng	98
38) 1-Methylnaphthalene	12.947	142	196650m	29.204	ng	
52) Acenaphthene	14.945	154	26796	3.919	ng	# 78
58) Fluorene	15.920	166	64329	7.537	ng	# 94
71) Phenanthrene	17.660	178	230445	18.810	ng	97
72) Anthracene	17.748	178	32483m	2.712	ng	
75) Fluoranthene	19.645	202	107906	7.559	ng	96
78) Pyrene	20.004	202	149349m	9.290	ng	
81) Benzo(a)anthracene	21.866	228	48971	3.109	ng	97
83) Chrysene	21.937	228	46226	3.090	ng	96
88) Benzo(b)fluoranthene	24.205	252	54773	3.523	ng	# 93
90) Benzo(a)pyrene	25.116	252	47187	3.540	ng	# 96
92) Benzo(g,h,i)perylene	30.415	276	35935	2.313	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

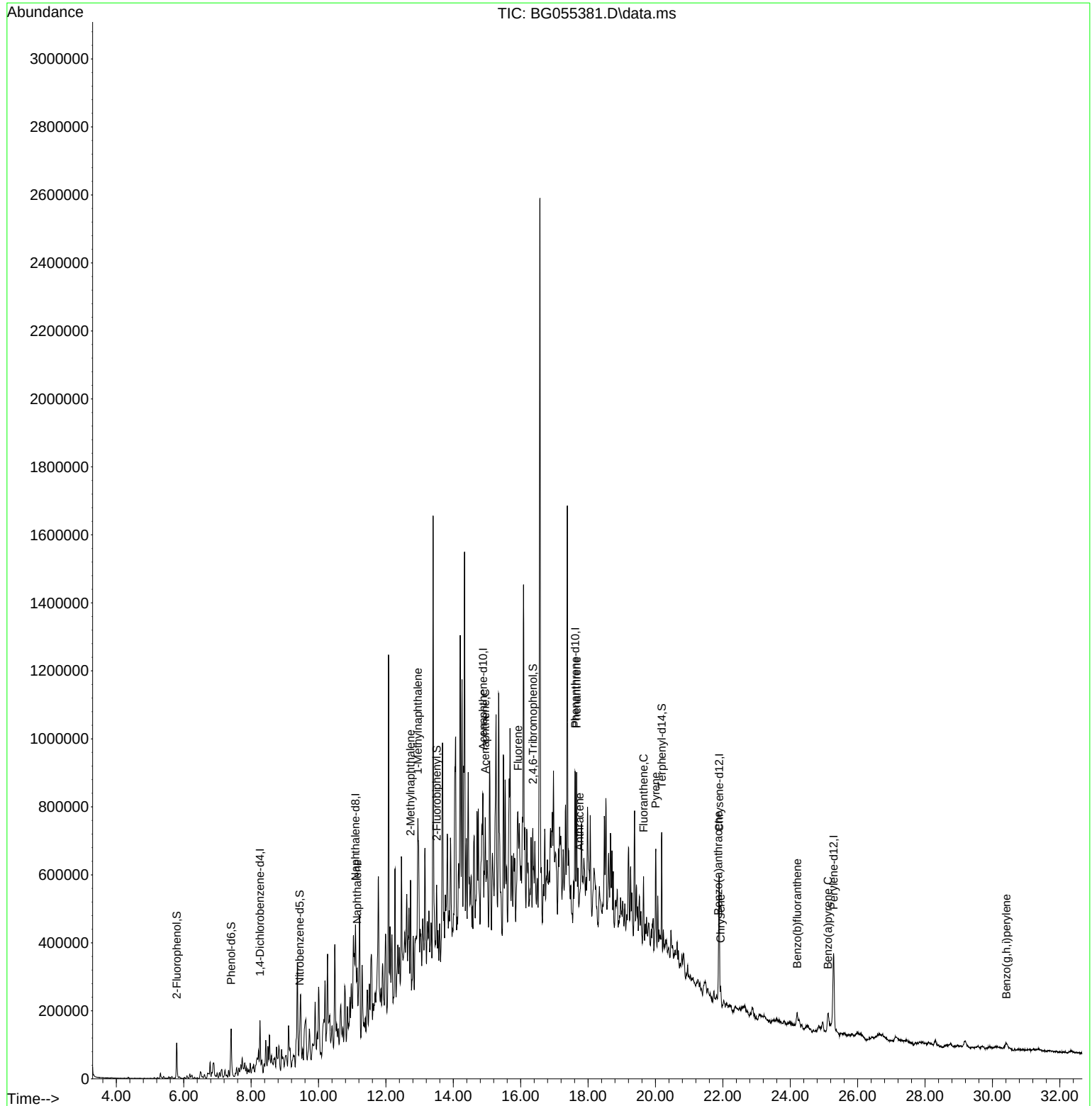
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
Data File : BG055381.D
Acq On : 31 Oct 2022 15:39
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

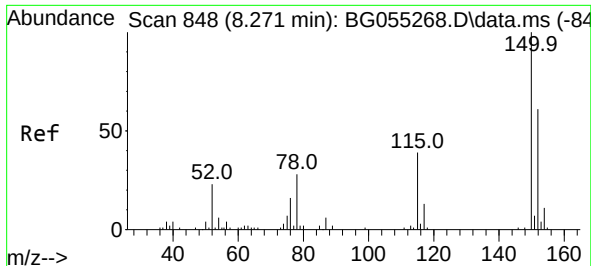
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL

Quant Time: Oct 31 18:01:25 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
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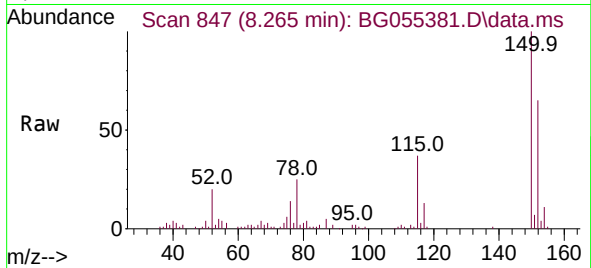
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.265 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

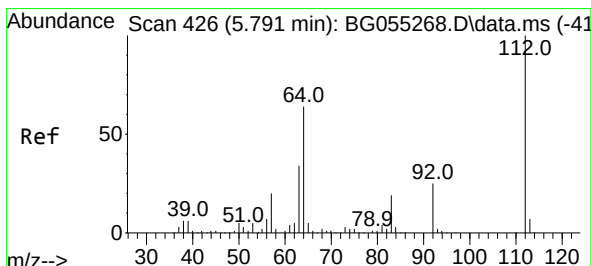
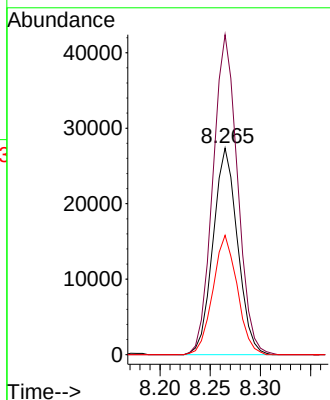
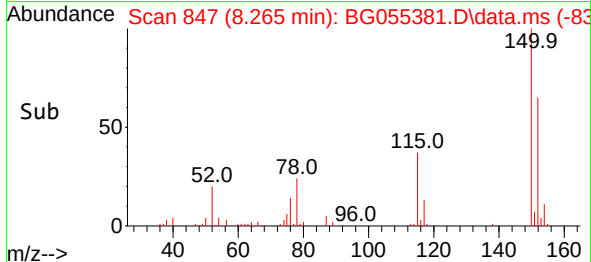
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL



Tgt Ion:152 Resp: 46489
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 57.8 44.5 66.7

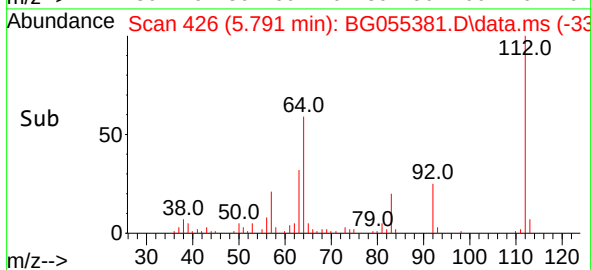
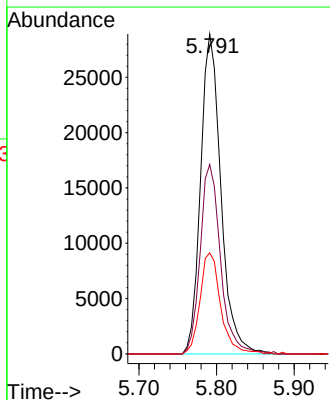
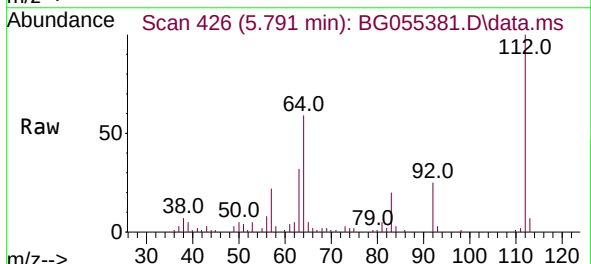
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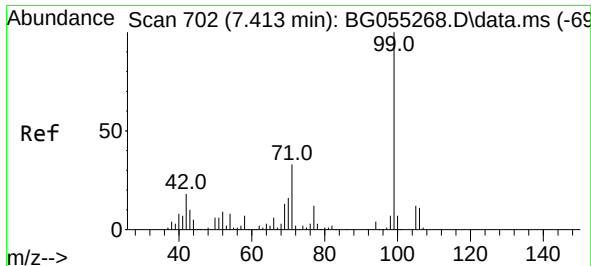
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#5
2-Fluorophenol
Concen: 19.837 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:112 Resp: 52667
Ion Ratio Lower Upper
112 100
64 59.2 52.6 78.8
63 31.6 27.1 40.7





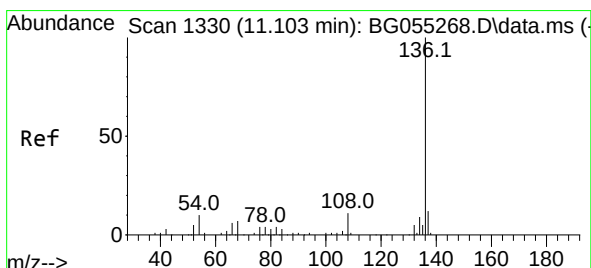
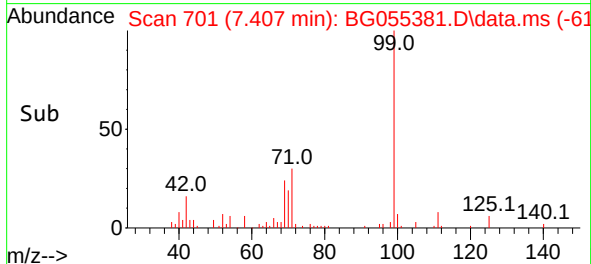
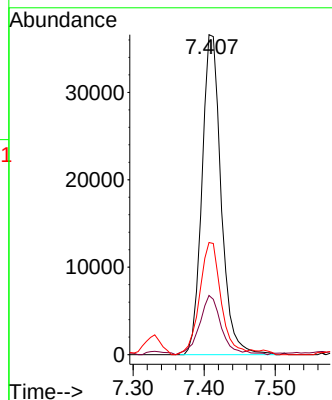
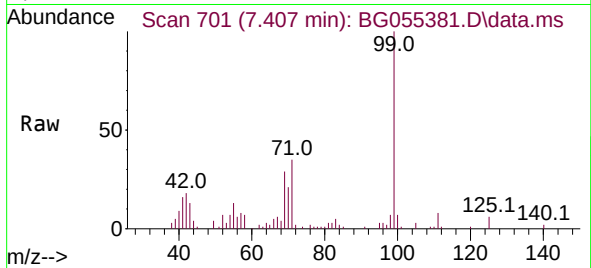
#7
Phenol-d6
Concen: 17.756 ng
RT: 7.407 min Scan# 702
Delta R.T. -0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Instrument :
BNA_G
ClientSampleId :
TP6-1024DL

Tgt Ion: 99 Resp: 6830
Ion Ratio Lower Upper
99 100
42 18.5 15.2 22.8
71 35.0 26.2 39.4

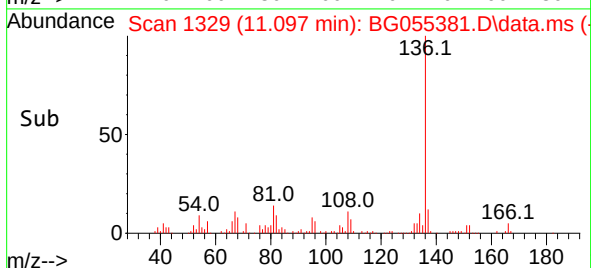
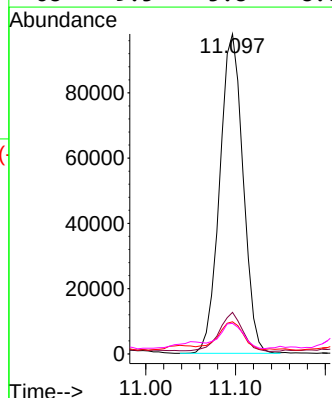
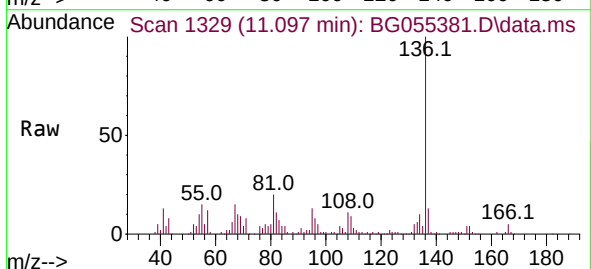
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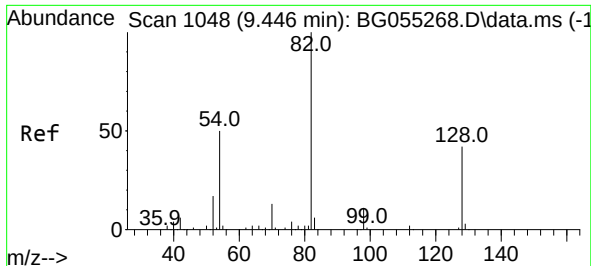
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:136 Resp: 177455
Ion Ratio Lower Upper
136 100
137 13.0 9.2 13.8
54 10.0 7.8 11.8
68 9.5 5.8 8.6





#23

Nitrobenzene-d5

Concen: 12.932 ng

RT: 9.440 min Scan# 1048

Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

Instrument :

BNA_G

ClientSampleId :

TP6-1024DL

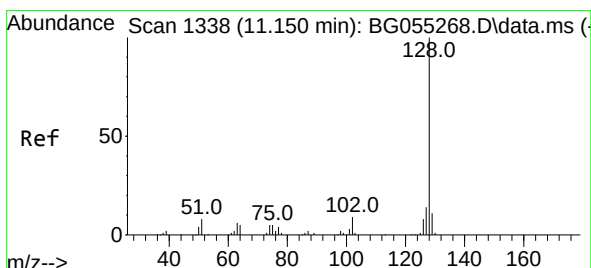
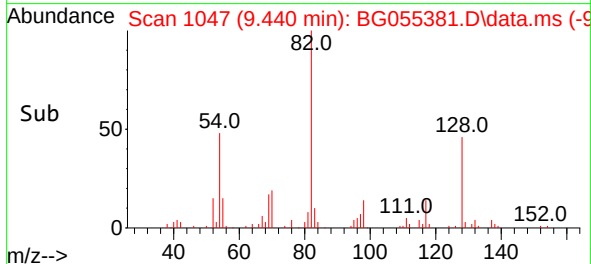
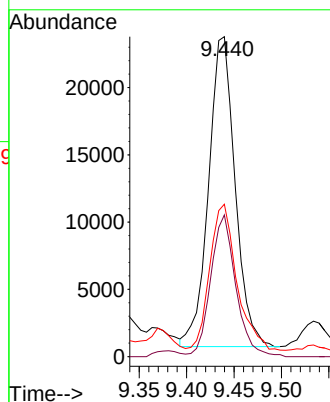
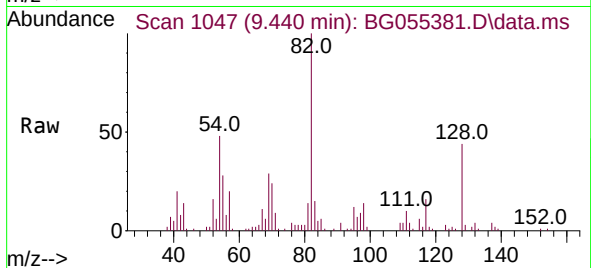
Tgt Ion: 82 Resp: 44940

Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.0	48.0
54	47.7	40.9	61.3

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#31

Naphthalene

Concen: 3.539 ng

RT: 11.144 min Scan# 1337

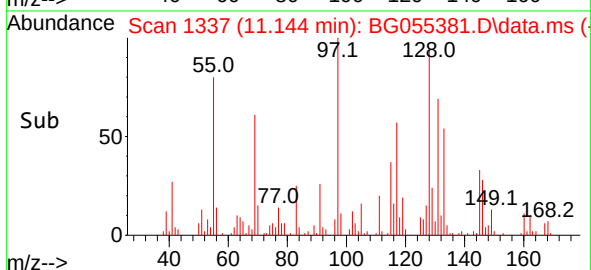
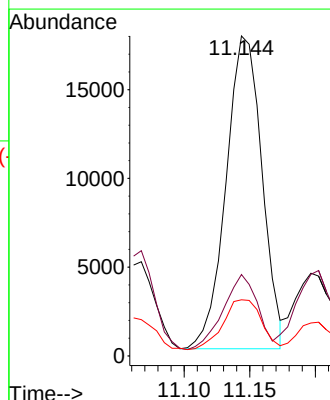
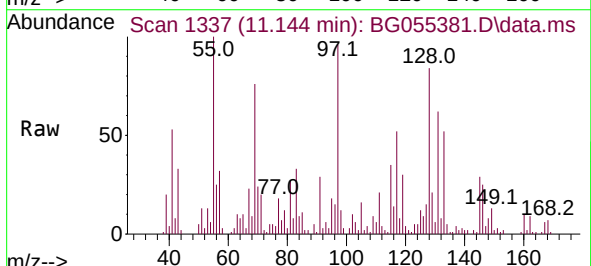
Delta R.T. -0.006 min

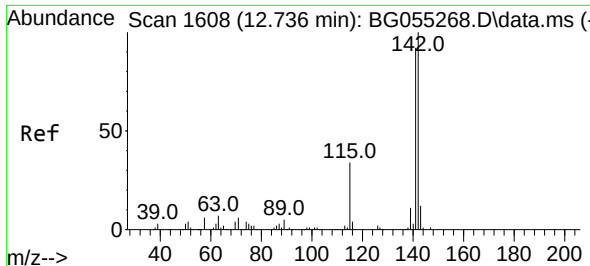
Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

Tgt Ion:128 Resp: 33503

Ion	Ratio	Lower	Upper
128	100		
129	25.4	9.0	13.6#
127	17.5	11.1	16.7#





#37

2-Methylnaphthalene

Concen: 25.281 ng

RT: 12.730 min Scan# 1608

Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

Instrument :

BNA_G

ClientSampleId :

TP6-1024DL

Tgt Ion:142 Resp: 172552

Ion Ratio Lower Upper

142 100

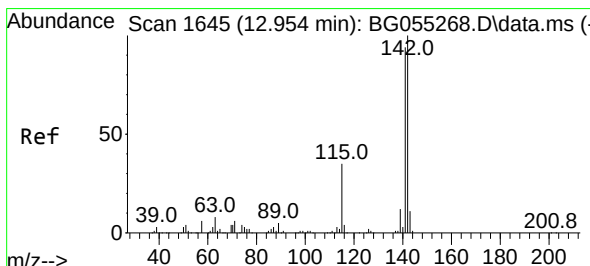
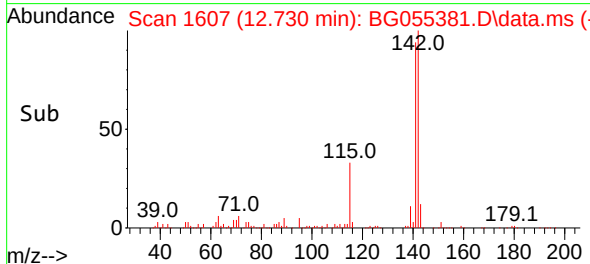
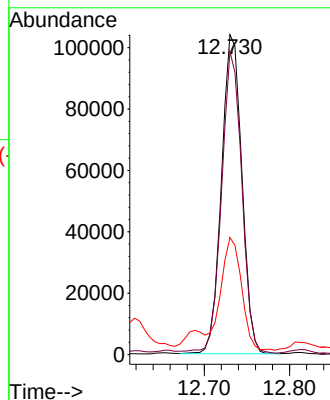
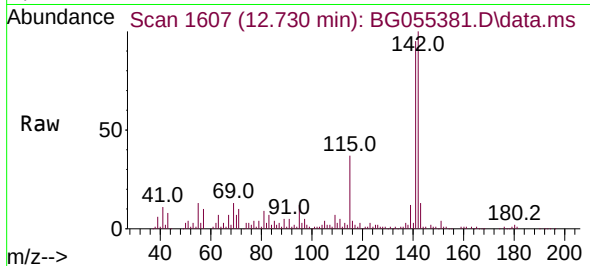
141 94.7 74.0 111.0

115 36.6 28.3 42.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#38

1-Methylnaphthalene

Concen: 29.204 ng m

RT: 12.947 min Scan# 1644

Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

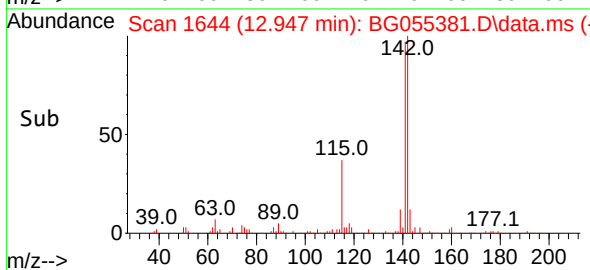
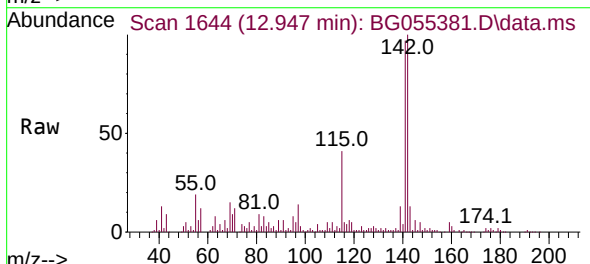
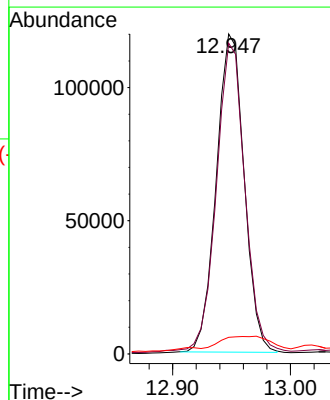
Tgt Ion:142 Resp: 196650

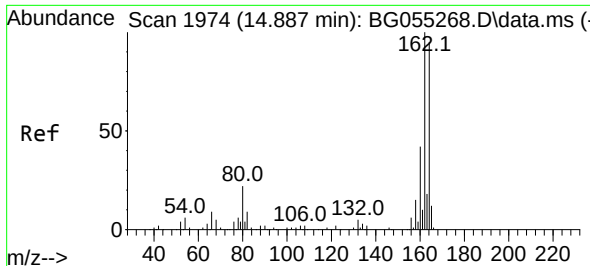
Ion Ratio Lower Upper

142 100

141 97.1 77.1 115.7

116 5.2 3.0 4.6#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.880 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Instrument :

BNA_G

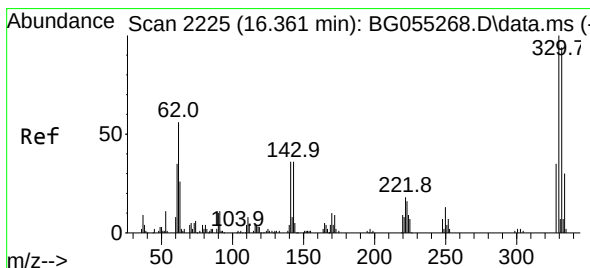
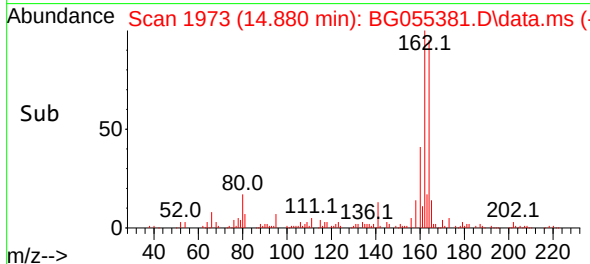
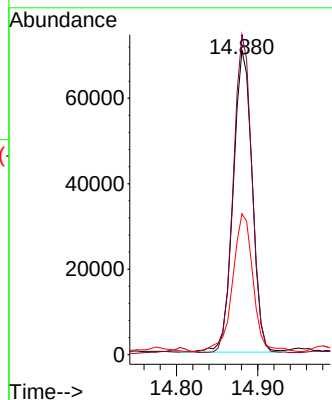
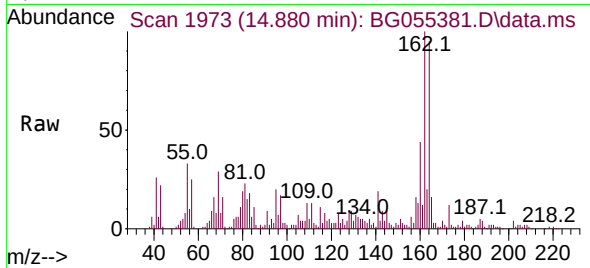
ClientSampleId :

TP6-1024DL

Tgt Ion:164 Resp: 114892
Ion Ratio Lower Upper
164 100
162 105.2 84.0 126.0
160 46.3 36.7 55.1

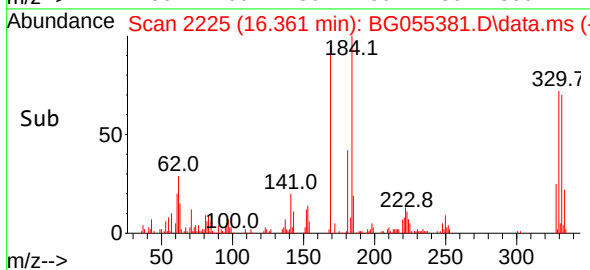
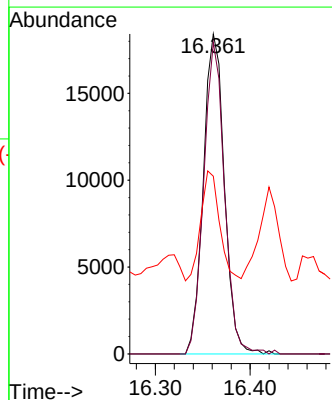
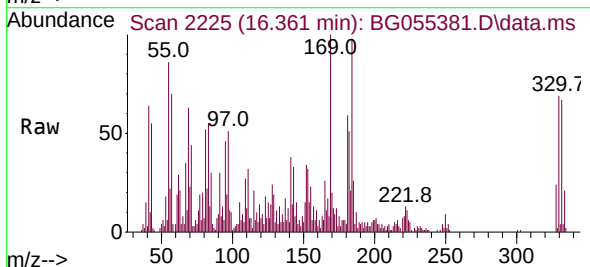
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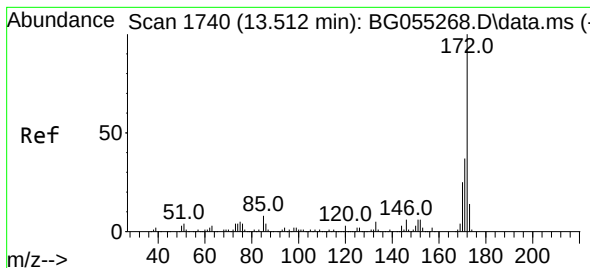
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#42
2,4,6-Tribromophenol
Concen: 22.700 ng
RT: 16.361 min Scan# 2225
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

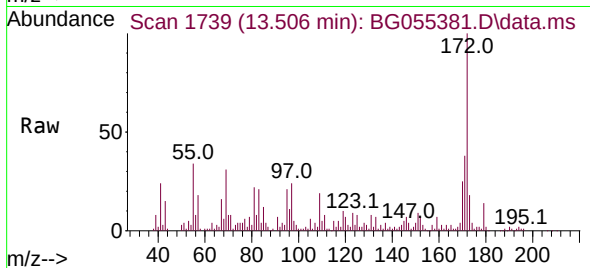
Tgt Ion:330 Resp: 28352
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 30.6 29.8 44.8





#45
2-Fluorobiphenyl
Concen: 14.195 ng
RT: 13.506 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

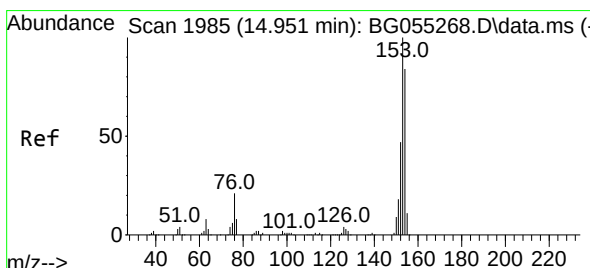
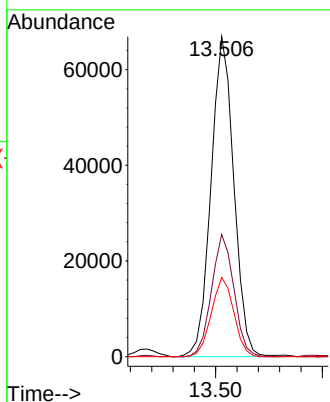
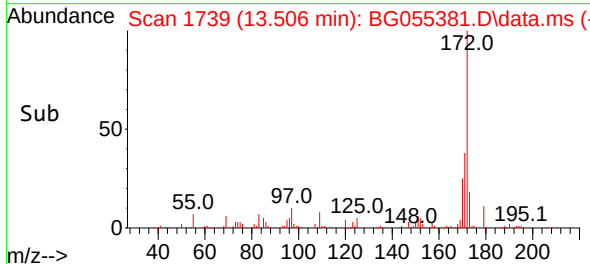
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL



Tgt Ion:172 Resp: 99642
Ion Ratio Lower Upper
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171 38.2 29.7 44.5
170 24.8 20.2 30.2

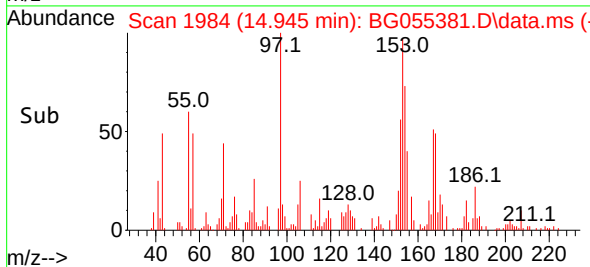
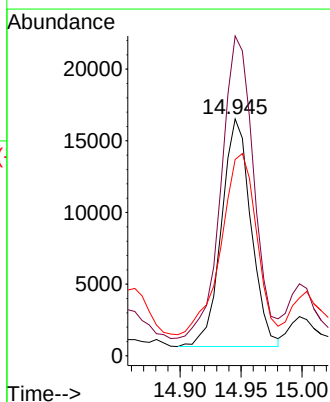
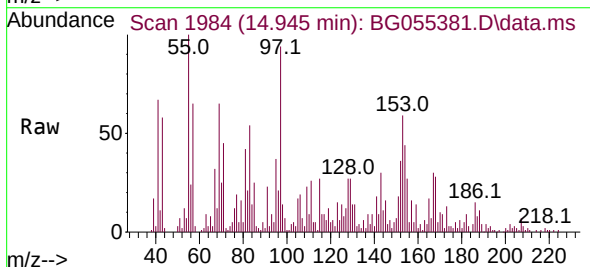
Manual Integrations
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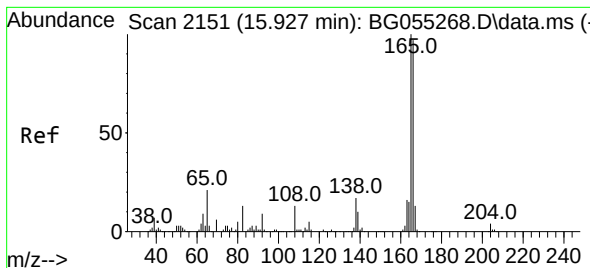
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#52
Acenaphthene
Concen: 3.919 ng
RT: 14.945 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:154 Resp: 26796
Ion Ratio Lower Upper
154 100
153 135.1 94.3 141.5
152 82.9 45.3 67.9#





#58

Fluorene

Concen: 7.537 ng

RT: 15.920 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

Instrument :

BNA_G

ClientSampleId :

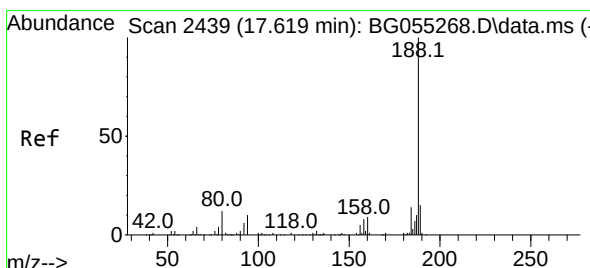
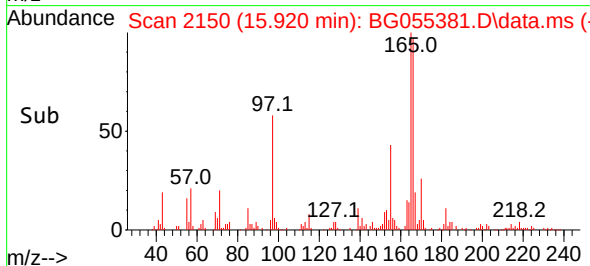
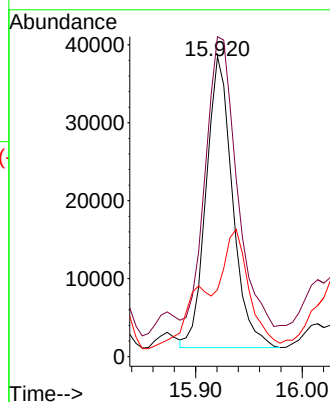
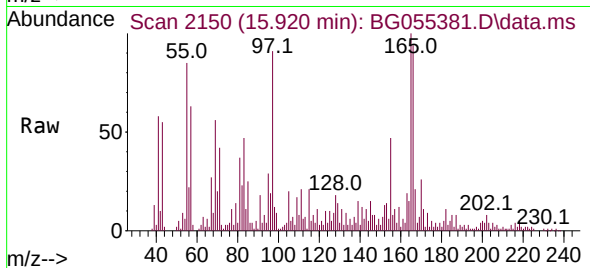
TP6-1024DL

Tgt Ion:166	Resp:	64329
Ion Ratio	Lower	Upper
166	100	
165	106.7	82.4 123.6
167	22.3	11.5 17.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

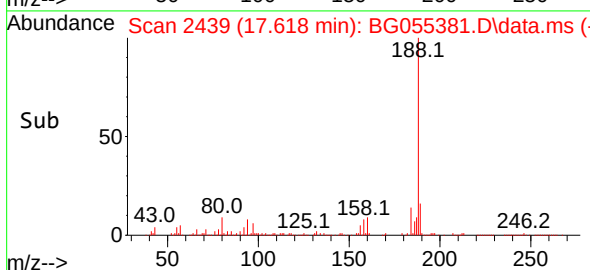
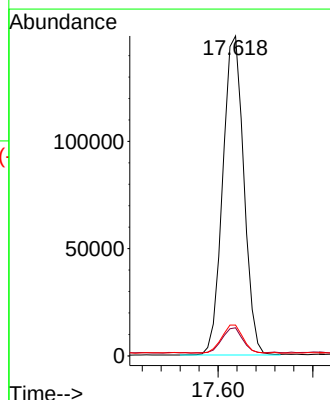
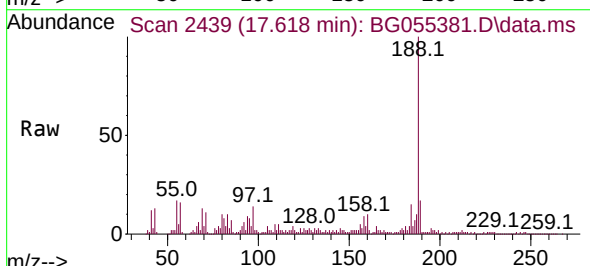
RT: 17.618 min Scan# 2439

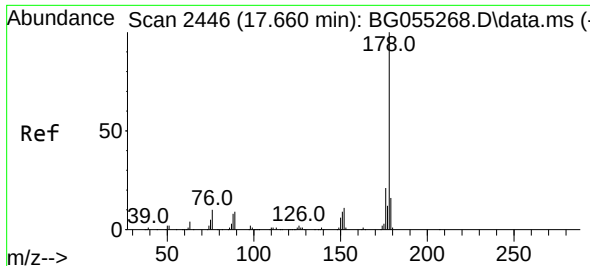
Delta R.T. 0.006 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

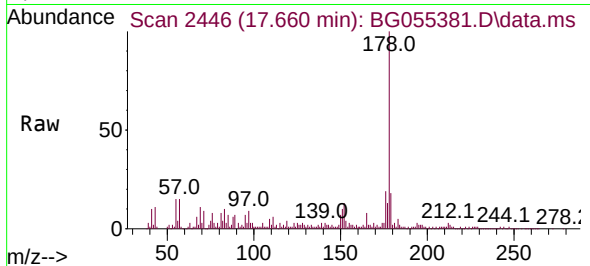
Tgt Ion:188	Resp:	229723
Ion Ratio	Lower	Upper
188	100	
94	8.8	8.2 12.4
80	9.6	10.1 15.1





#71
Phenanthrene
Concen: 18.810 ng
RT: 17.660 min Scan# 2446
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

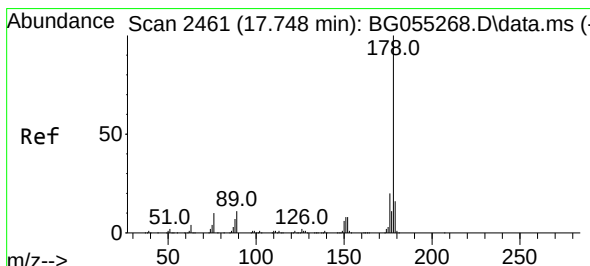
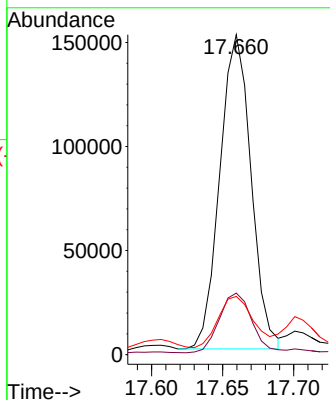
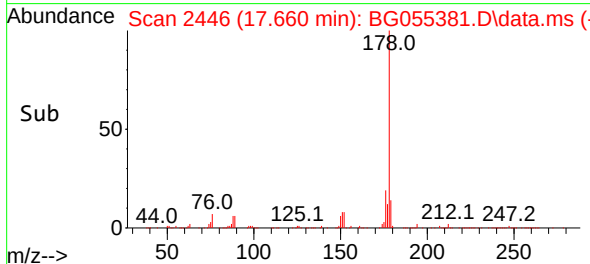
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL



Tgt Ion:178 Resp: 230445
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 18.2 12.6 19.0

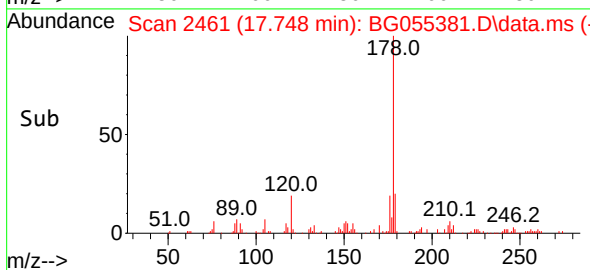
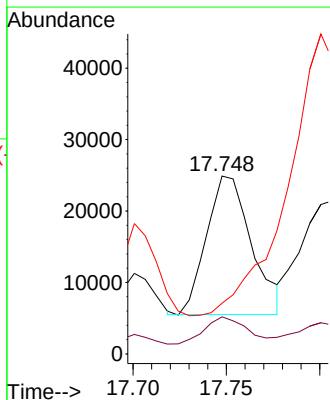
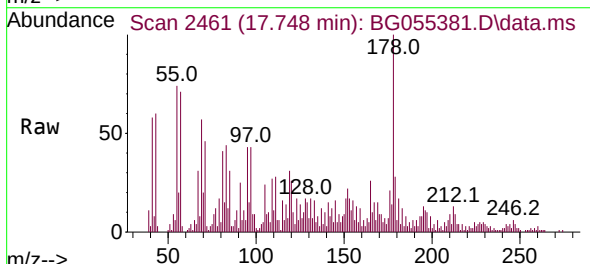
Manual Integrations
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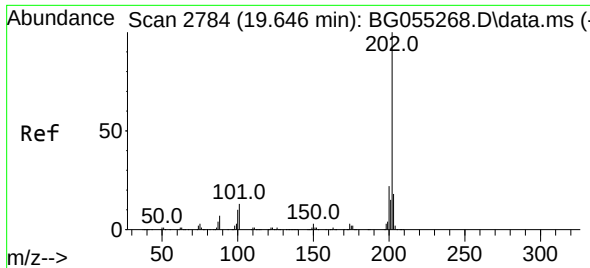
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#72
Anthracene
Concen: 2.712 ng m
RT: 17.748 min Scan# 2461
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:178 Resp: 32483
Ion Ratio Lower Upper
178 100
176 20.8 15.7 23.5
179 28.4 12.9 19.3#





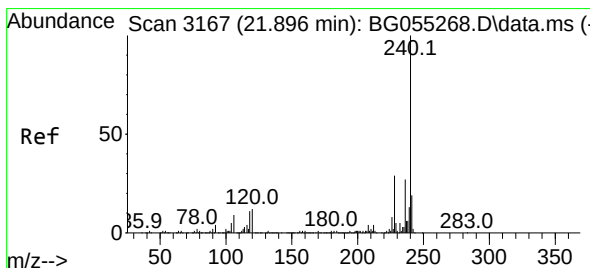
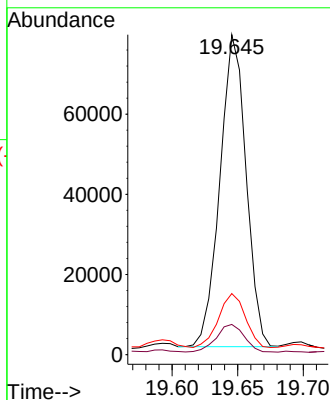
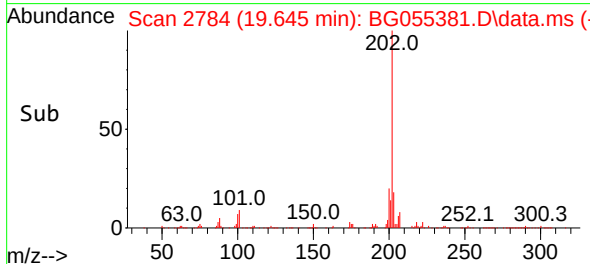
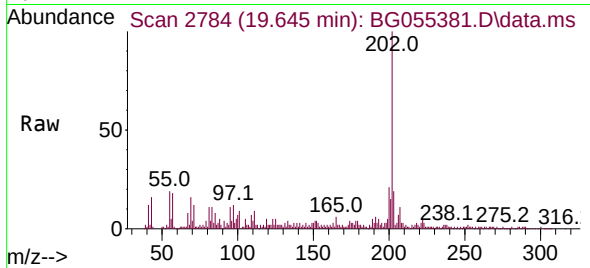
#75
Fluoranthene
Concen: 7.559 ng
RT: 19.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Instrument :
BNA_G
ClientSampleId :
TP6-1024DL

Tgt Ion:202 Resp: 107900
Ion Ratio Lower Upper
202 100
101 9.4 0.0 32.6
203 19.1 0.0 38.3

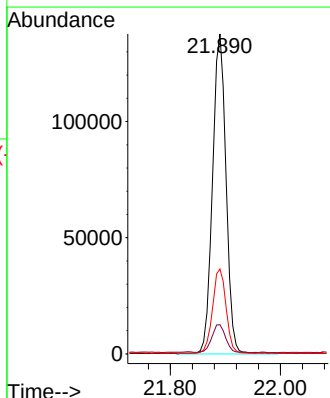
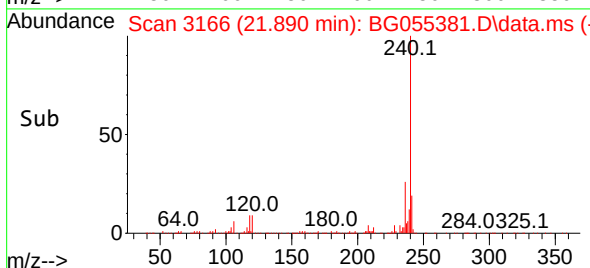
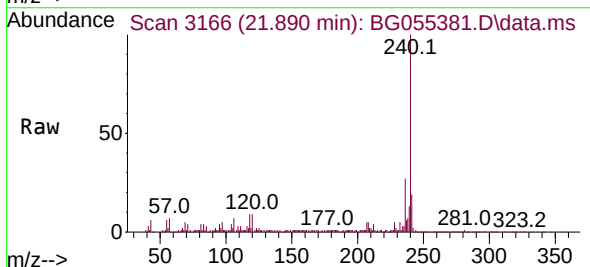
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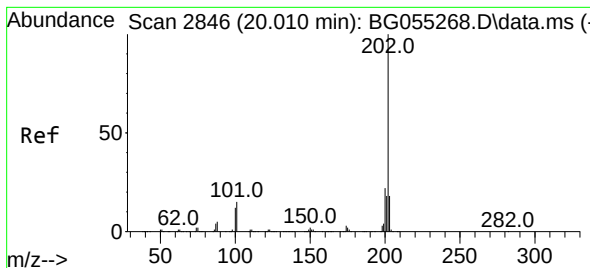
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.890 min Scan# 3166
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:240 Resp: 234545
Ion Ratio Lower Upper
240 100
120 9.1 8.9 13.3
236 26.5 21.0 31.4





#78

Pyrene

Concen: 9.290 ng m

RT: 20.004 min Scan# 2845

Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

Instrument :

BNA_G

ClientSampleId :

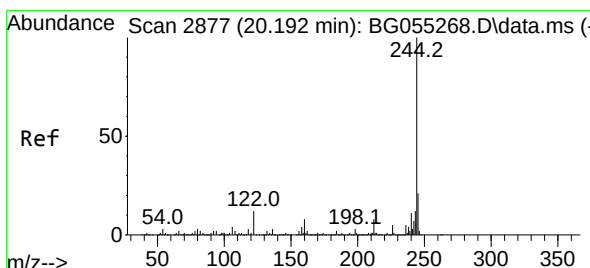
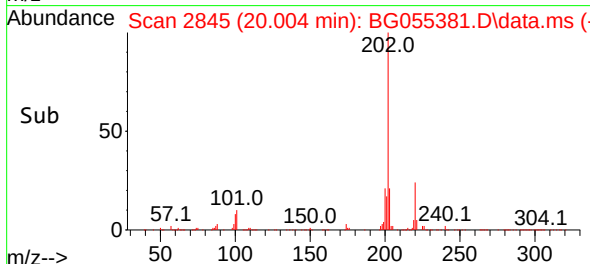
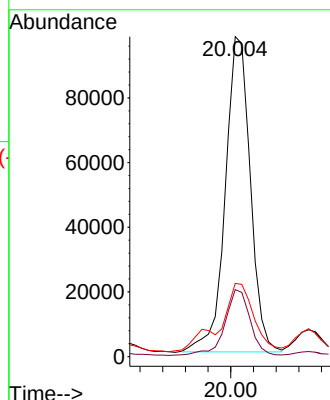
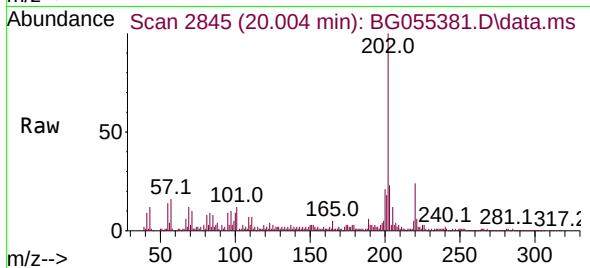
TP6-1024DL

Tgt Ion:	202	Resp:	149349
Ion Ratio	Lower	Upper	
202	100		
200	20.9	18.0	27.0
203	22.9	14.3	21.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#79

Terphenyl-d14

Concen: 13.932 ng

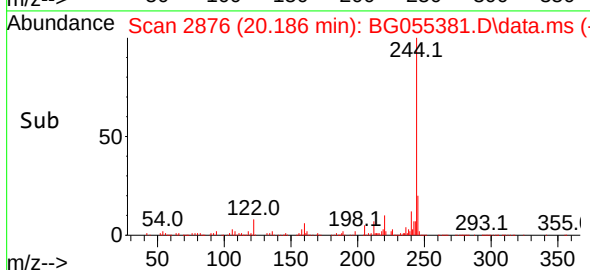
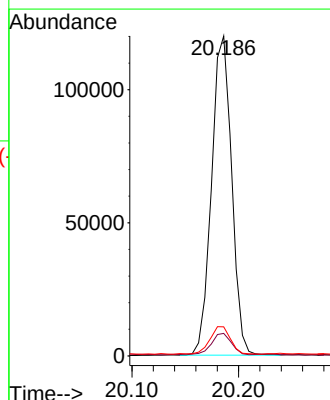
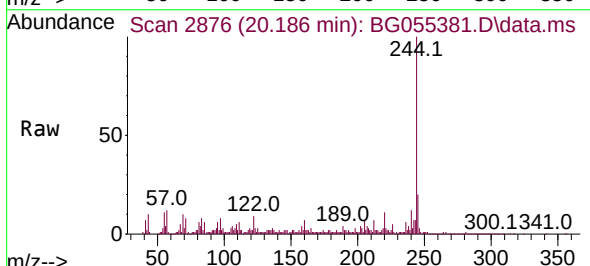
RT: 20.186 min Scan# 2876

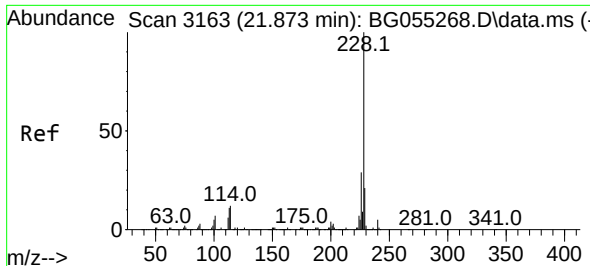
Delta R.T. -0.000 min

Lab File: BG055381.D

Acq: 31 Oct 2022 15:39

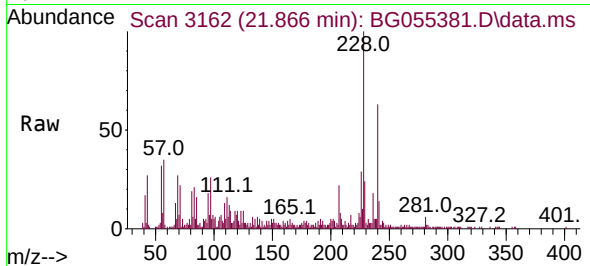
Tgt Ion:	244	Resp:	157279
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	9.1	9.6	14.4





#81
Benzo(a)anthracene
Concen: 3.109 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

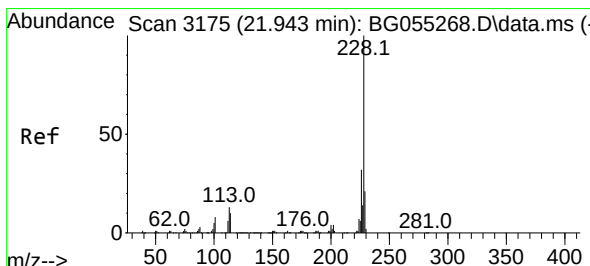
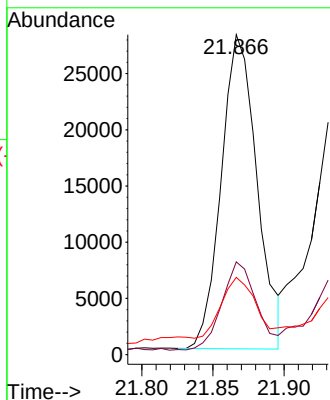
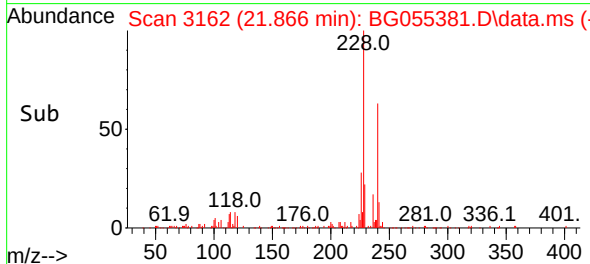
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL



Tgt Ion:228 Resp: 4897
Ion Ratio Lower Upper
228 100
226 29.0 22.9 34.3
229 24.2 16.7 25.1

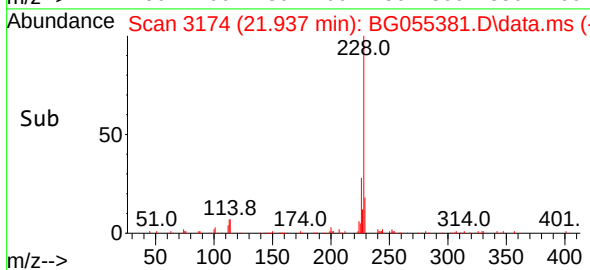
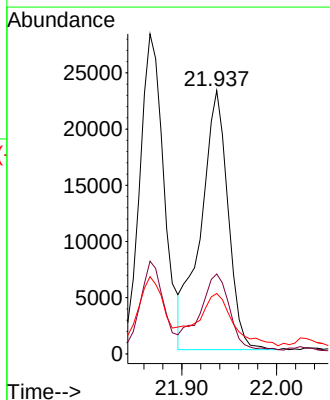
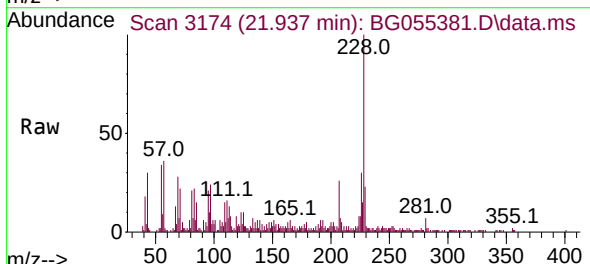
Manual Integrations
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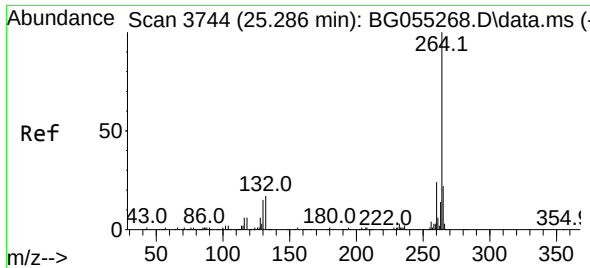
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#83
Chrysene
Concen: 3.090 ng
RT: 21.937 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

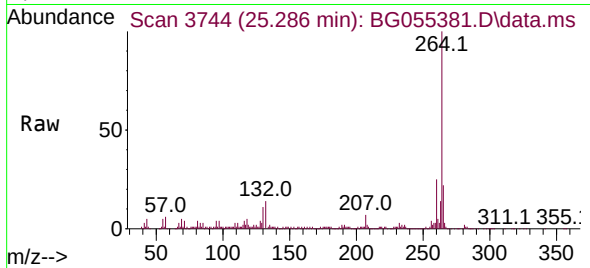
Tgt Ion:228 Resp: 46226
Ion Ratio Lower Upper
228 100
226 30.3 25.8 38.8
229 22.9 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.286 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

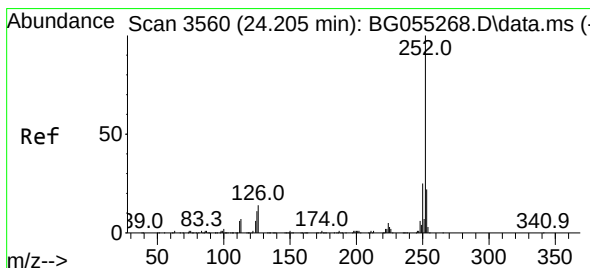
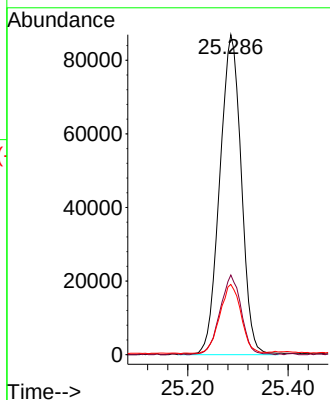
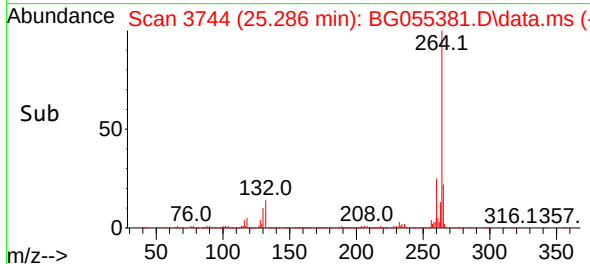
Instrument :
BNA_G
ClientSampleId :
TP6-1024DL



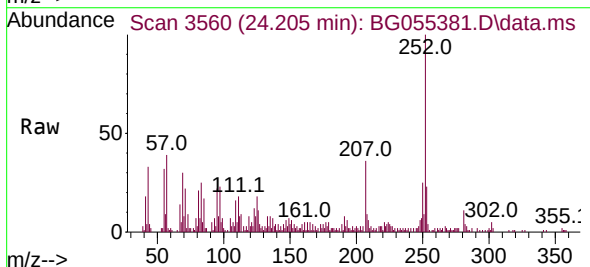
Tgt Ion:264 Resp: 25844
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 21.9 17.4 26.2

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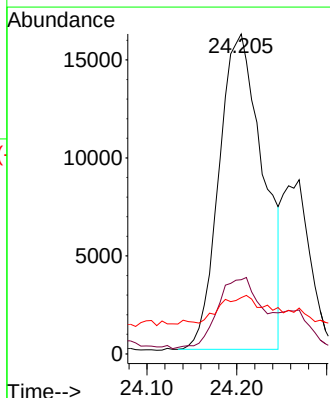
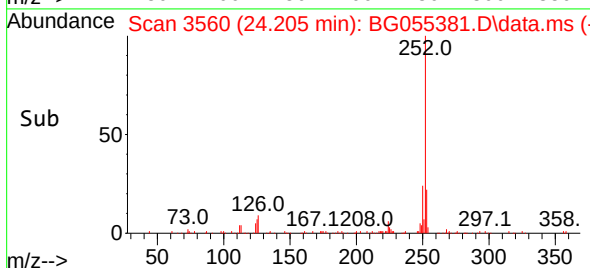
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022

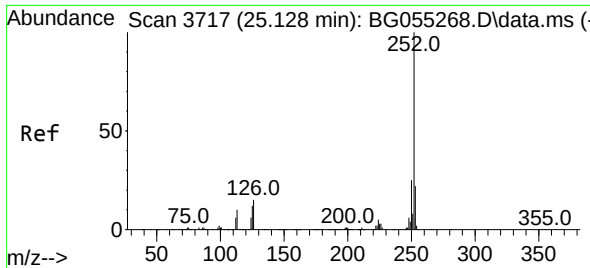


#88
Benzo(b)fluoranthene
Concen: 3.523 ng
RT: 24.205 min Scan# 3560
Delta R.T. 0.006 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39



Tgt Ion:252 Resp: 54773
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 17.6 9.0 13.4#





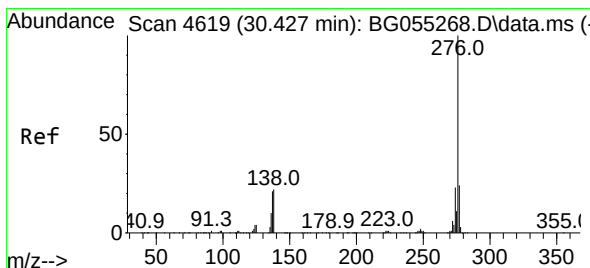
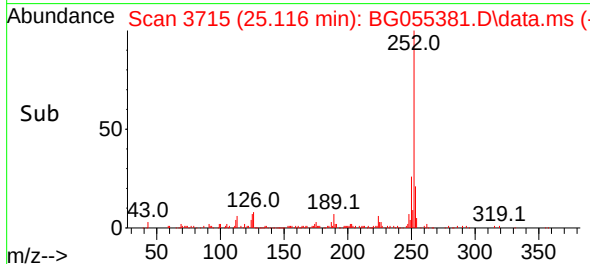
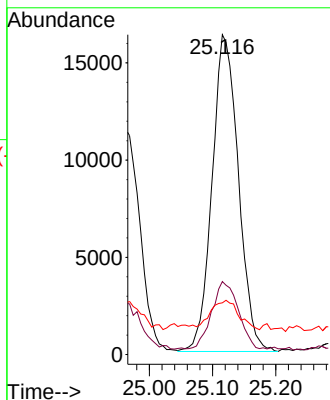
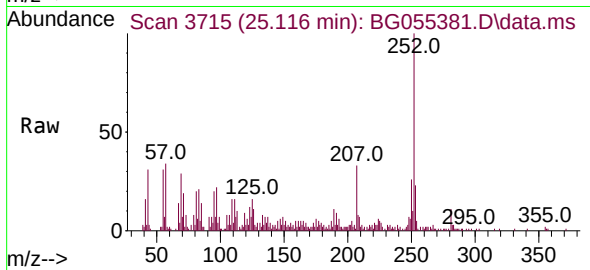
#90
Benzo(a)pyrene
Concen: 3.540 ng
RT: 25.116 min Scan# 3715
Delta R.T. -0.012 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Instrument :
BNA_G
ClientSampleId :
TP6-1024DL

Tgt Ion:252 Resp: 4718
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 16.2 9.8 14.8

Manual Integrations
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Reviewed By :Christian Giraldo 11/01/2022
Supervised By :mohammad ahmed 11/04/2022



#92
Benzo(g,h,i)perylene
Concen: 2.313 ng
RT: 30.415 min Scan# 4617
Delta R.T. -0.024 min
Lab File: BG055381.D
Acq: 31 Oct 2022 15:39

Tgt Ion:276 Resp: 35935
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 20.4 17.2 25.8

